

22222222 22222222 22222222 22222222 2222			MM	AAAAAAAAA AA AA AA AA	22222222 22222222 22222222 222222222
MM MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	AAAAAA AA AA AA AA	RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR			

:*

:

Version 'V04-000'

COPYRIGHT (c) 1978, 1980, 1982, 1984 BY DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. ALL RIGHTS RESERVED.

THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY TRANSFERRED.

TRANSFERRED.

THE INFORMATION IN THIS SOFTWARE IS SUBJECT AND SHOULD NOT BE CONSTRUED AS A COMMIT!

CORPORATION.

DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED IN THE USE SOFTWARE S THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT

DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.

INTERMNAL MACRO TO ALLOCATE SPACE FOR A STRUCTURE

.MACRO \$CLIALO SIZE

SCLI. =

.BLKB SIZE \$CLI.. =

. ENDM

: MACRO TO END THE STRUCTURE-RESTORE LOCATION BEYOND THE END

.MACRO SCLIEND

. = \$CLI..

MACRO TO GENERATE A MASK FROM A LIST OF BITS

.MACRO \$MASK LIST, TYPE=BYTE, ?L1 \$\$\$. = 0

.IF NB <LIST>
.IRP \$\$\$,<LIST>
\$\$\$.=\$\$\$.!<18\$\$\$>

.ENDR

. TYPE \$\$\$.

. ENDM

MACRO TO LOAD A VALUE INTO A STRUCTURE

.MACRO SCLISET SYM, VAL, TYPE=B, IDX

```
16-SEP-1984 17:03:12.53 Page 2
 CLIMAC.MAR; 1
          . IF NB <VAL>
          . = $CLI.+CLIS'TYPE'SYM

. IFF

. = $CLI.+CLIS'IDX'SYM

.ENDC
            .IF IDN <TYPE><B>
.BYTE VAL
.IFF
              .IF IDN
.LONG
.IFF
                            <TYPE><A>
                            <VAL-$CLI.>
                 . IF IDN
                           <TYPE><W>
                            VAL
                   IF IDN <TYPE><M>
SMASK <VAL>
                   .IFF
                     .IF IDN
                                      <TYPE><L>
                     LONG VAL
                                      ; INVALID DATA TYPE;
                   .ENDC
                 .ENDC
              .ENDC
            .ENDC
          .ENDC
          . ENDM
MACRO TO SET UP VARIABLE LENGHT BIT LIST
. = $CLI.
          .MACRO SBITLST LIST, ?L1
                   <LIST>
                  L1-.-1
$$$,<LIST>
$$$
          .BYTE
L1:
SCLI. = .ENDM
MACRO TO GENERATE A CLI CALL BACK REQUEST DESCRIPTOR
```

```
16-SEP-1984 17:03:12.53 Page 3
CLIMAC.MAR; 1
             .MACRO SCLIREQUESC RQTYPE, BITNUM, RQFLGS, ERRACT, RQSIZE, RQADR, -
                                      QUALST, PRSACT, ABSACT
            SCLIDEF
                                                              : DEFINE VALUES FOR CLI
              LIST
            SCLIALO CLISC_REQDESC
            SCLISET RQTYPE, RQTYPE
SCLISET BITNUM, BITNUM
SCLISET RQFLGS, <RQFLGS>, M, B
SCLISET RQSIZE, RQSIZE, W
SCLISET RQADR, RQADR, A
SCLISET QUALST, QUALST, A
SCLISET PRSACT, PRSACT, A
SCLISET ABSACT, ABSACT, A
            SCLIEND
             . ENDM
  *** TEMP *** OLD NAME OF MACRO
            .MACRO $CLIQUALDEF QDCODE,QDFLGS,TRUACT,FLSACT,TSTLST,SETLST,CLRLST
$CLIQUALDESC QDCODE,QDFLGS,TRUACT,FLSACT,TSTLST,SETLST,CLRLST
  MACRO TO GENERATE A QUALIFIER DESCRIPTOR
            .MACRO $CLIQUALDESC QDCODE,QDFLGS,TRUACT,FLSACT,TSTLST,SETLST,CLRLST,?Z
            .IF IDN <QDCODE><END_LIST>
.BYTE 0
.IFF
            SCLIALO CLISC_QUALDEF
           $CLISET _QDBLKSIZ,<Z-.>
$CLISET _QDCODE,QDCODE
$CLISET _QDFLGS,<QDFLGS>,M,B
$CLISET _TRUACT,TRUACT,A
$CLISET _FLSACT,FLSACT,A
$BITLST <TSTLST>
$BITLST <SETLST>
            SBITLST <CLRLST>
            $CLIEND
2:
             .ENDC
  MACRO TO GENERATED A COUNTED STRING FOR THE MATCHKEY SUBROUTINE
             .MACRO SKEYWORD
                                                   ST,?L1
```

CLIMAC.MAR;1

16-SEP-1984 17:03:12.53 Page 4

L1:

ASCII VSTV

.ENDM

0049 AH-BT13A-SE

CONFIDENTIAL AND PROPRIETARY

